

Comparisons of Job Characteristics

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Maintenance and Repair Workers, General (49-9042)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Maintenance and Repair Workers, General (49-9042)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	19.3	17.7	0 Current knowledge level may be sufficient
Building and Construction	4.0	14.3	4.4	<< Extensive education and/or training may be required
Public Safety and Security	6.9	12.0	5.4	<< Extensive education and/or training may be required
Design	5.2	11.7	6.3	<< Extensive education and/or training may be required
Engineering and Technology	5.7	10.3	9.2	< Expanded education and/or training may be required
Physics	4.3	8.8	4.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Maintenance and Repair Workers, General (49-9042)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Equipment Maintenance	3.5	12.7	11.5	< A higher skill level may be required
Repairing	3.4	12.3	14.0	> Skill level is likely sufficient
Troubleshooting	4.5	10.0	12.6	> Skill level is likely sufficient
Quality Control Analysis	5.9	9.8	11.9	> Skill level is likely sufficient
Equipment Selection	3.3	9.5	10.4	0 Current skill level may be sufficient
Installation	1.7	8.3	7.4	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 74				
Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092) Associated Occupation: Maintenance and Repair Workers, General (49-9042)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Information Ordering	9.9	13.3	10.6	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.8	8.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.4	12.5	0	Current ability level may be sufficient
Visualization	7.5	11.0	10.5	0	Current ability level may be sufficient
Static Strength	5.0	9.8	6.8	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	9.2	7.9	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	5.8	6.1	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	5.6	5.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 81
Work Activities	Exclusivity of Activity
Apply cleaning solvents	41
Determine installation, service, or repair needed	58
Fabricate, assemble, or disassemble manufactured products by hand	11
Inspect machinery or equipment to determine adjustments or repairs needed	42
Install or replace meters, regulators, or related measuring or control devices	66
Install/connect electrical equipment to power circuit	57
Lubricate machinery, equipment, or parts	59
Maintain or repair industrial or related equipment/machinery	39
Maintain or repair work tools or equipment	81
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34

Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use high voltage apparatus	76
Use measuring devices in repairing industrial or heavy equipment	84
Use precision measuring devices in mechanical repair work	61
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.